

I claim:

1. A device for reforming gas vapors of an internal combustion engine having an air induction system, a combustion chamber, and positive crankcase and fuel tank associated therewith, the device comprising a voltage multiplier unit, a gas vapor treatment means and a gas vapor reforming means disposed within the gas vapor treatment means and in communication with said voltage multiplier unit, characterized in that said gas vapor treatment means having a treatment chamber in communication with a gas vapor intake port and gas vapor discharge port, gas vapor intake port being capable of communicating with said positive crankcase and fuel tank and said gas vapor discharge port being capable of communicating with said air induction system, said gas vapor reforming means is an electronic emitter disposed within the treatment chamber defining therein a first chamber section and a second chamber section each having predetermined volumetric area suitable of providing ample space for complete and effective dissociation of gas vapor ions therein, and a plurality of gas vapor passages provided on said electronic emitter, said electronic emitter being capable of introducing electrons within the treatment chamber such that the gas vapor coming from the positive crankcase and fuel tank will be reformed within the treatment chamber, said electronic emitter further having a capacity of between approximately 5KV and approximately 7KV of electromotive force, and said voltage multiplier unit having a variable voltage capacity being capable of introducing said between approximately 5KV and approximately 7KV of electromotive force to the electronic emitter.
2. The device of claim 1 wherein the voltage capacity of the voltage multiplier unit is fixed at a voltage capacity suitable for introducing said between approximately 5KV and approximately 7KV of electromotive force to the electronic emitter.
3. The device of claim 1, wherein said gas vapor treatment means is a hollow body defined by a pair of fixedly connected pieces.
4. The device of claim 1 wherein said electronic emitter consisting of a conductive piece having a plurality of electron needles provided thereof, said conductive piece being capable of transferring the electromotive force

supplied by the voltage multiplier unit to the said electron needles and disposed within the treatment chamber in a manner wherein it can facilitate introduction of electrons for complete reforming of the gas vapors therein.

- 5 5. The device of claim 4, wherein said conductive piece is preferably made of materials that include circuit board, aluminum, metal.

10

ROMEO MANALO
Inventor